



CISS Group PTE. LTD.

10, Anson Road, #29-05 A, International Plaza, Singapore, 079903.

e-mail: inspection@ciiss-group.com

Page 1/2

CERTIFICATE No.: SGD00816/2

ORIGINAL

ORIGINAL CERTIFICATE OF QUALITY/CONDITION

In pursuance of an order received from our principal, requesting us to carry out inspection we hereby confirm as follows:

Description of goods: CRUDE SUNFLOWER SEED OIL, IN BULK
Vessel: MONIKA
Quantity: 513,380 MT
B/L No. & Date: NO. A2-IZMAIL DD 30.10.2022
Shipper: GNT TRADE DMCC OFFICE 32A, GOLD TOWER, CLUSTER 1, JLT, DUBAI, UAE
ON BEHALF OF TOI COMMODITIES SA, 15 RUE DU CENDRIER, CH-1201 GENEVA, SWITZERLAND
Consignee: TO ORDER
Notify address: PHOENIX SHIPPING AND TRADING
Port of loading: IZMAIL, UKRAINE
Port of discharge: CONSTANTA, ROMANIA FOR FURTHER TRANSIT DIRECT TRANSHIPMENT
Vessel Tanks Nos.: 1C, 2C, 3C, 4C, 5C, 6C, 7C AND 8C

RESULTS OF QUALITY INSPECTION

Representative preshipment samples of the oil delivered to vessel tank 1C, 2C, 3C, 4C, 5C, 6C, 7C AND 8C of MONIKA have been drawn and sealed conjointly with buyer's superintendent at nearest practicable point to vessels' rail, according to FOSFA CONTRACT No.53. One sample was submitted for analysis to FOSFA approved chemical laboratory. The following results of analysis have been obtained:

Parameter	Method	Specification	Results
Free fatty acid content (as oleic acid)	ISO 660	basis 1.5%, max 2%	0,63%
Flash point	ISO 15267	min. 121°C	No flash at 121°C
Moisture	ISO 662	max 0,5%	0,19%
Impurities	ISO 663		
Sediment	ISO 15301	basis 1.5 % max 2 %,	1,1%
Radioactivity		Free from radioactivity	Free from radioactivity

Parameter	Method	Result	LOQ
Hydrocarbon content attributed to mineral origin (C10-C56), ppm (mg/kg)	ISO 17780	< 50*	50 ppm (mg/kg)
Mineral oil (C10-C24), ppm (mg/kg)	ISO 17780	< 50*	50 ppm (mg/kg)





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Page 2/2

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Parameter	Method	Result	LOQ
Lauric acid C12:0, %	ISO 12966-4	< 0.05*	0.05 %
Myristic acid, C14:0, %	ISO 12966-4	0.1	0.05 %
Myristoleic acid, C14:1, %	ISO 12966-4	< 0.05*	0.05 %
Pentadecanoic acid C15:0, %	ISO 12966-4	< 0.05*	0.05 %
Palmitic acid C16:0, %	ISO 12966-4	6.3	0.05 %
Palmitoleic acid C16:1, %	ISO 12966-4	0.1	0.05 %
cis-10-Heptadecenoic acid C17:1, %	ISO 12966-4	< 0.05*	0.05 %
Stearic acid C18:0, %	ISO 12966-4	3.2	0.05 %
Oleic acid C18:1n9c, %	ISO 12966-4	29.6	0.05 %
Linoleic acid C18:2n6c, %	ISO 12966-4	59.4	0.05 %
γ-Linolenic acid (omega6) C18:3n6, %	ISO 12966-4	< 0.05*	0.05 %
α-Linolenic acid (omega3) C18:3n3, %	ISO 12966-4	0.1	0.05 %
Arachidic acid C20:0, %	ISO 12966-4	0.2	0.05 %
cis-11-Eicosenoic acid C20:1, %	ISO 12966-4	0.1	0.05 %
cis-11,14-Eicosadienoic acid C20:2, %	ISO 12966-4	< 0.05*	0.05 %
Arachidonic acid (omega6) C20:4n6, %	ISO 12966-4	< 0.05*	0.05 %
Heneicosanoic acid C21:0, %	ISO 12966-4	< 0.05*	0.05 %
Behenic acid C22:0, %	ISO 12966-4	0.7	0.05 %
Erucic acid C22:1n9, %	ISO 12966-4	< 0.05*	0.05 %
Lignoceric acid C24:0, %	ISO 12966-4	0.2	0.05 %
Nervonic acid C24:1, %	ISO 12966-4	< 0.05*	0.05 %

*-No analyte at a content above the limit of Quantification was detected.

LOQ (Limit of quantification) - is the lowest amount or concentration of analyte in a sample, which can be reliably quantified with an acceptable level of precision and accuracy.

This certificate is electronically signed and stamped.

DATED: 1st of NOVEMBER, 2022

For and on behalf of CISS GROUP Ukraine LLC

Registered Superintendent and Surveyor Member of FOSFA

